

## Product datasheet for **AM06347SU-N**

### PAK2 Mouse Monoclonal Antibody [Clone ID: 3B5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3B5
Applications:	IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blotting:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of PAK2 expressed in E. Coli.
Specificity:	Recognizes PAK2
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	61 kDa
Gene Name:	p21 (RAC1) activated kinase 2
Database Link:	<a href="#">Entrez Gene 5062 Human Q13177</a>



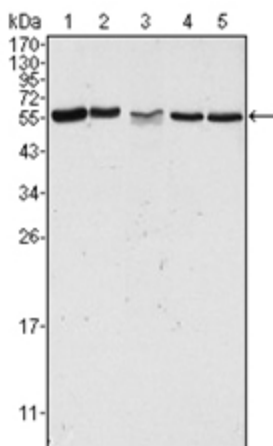
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**Background:**

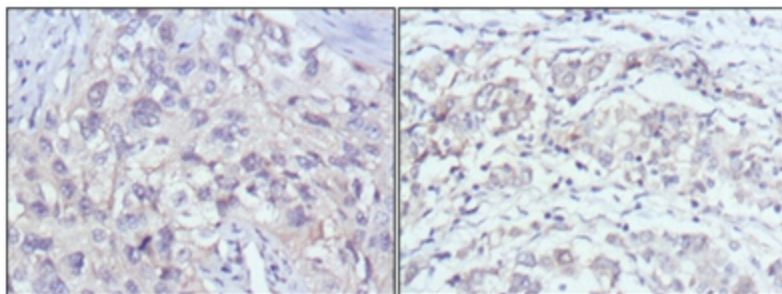
PAK2, also known as P21 (CDKN1A)-activated kinase 2. The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. PAK2 is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell. PAK2 has been shown to interact with SH3KBP1, CDC42 and Abl gene.

**Synonyms:**

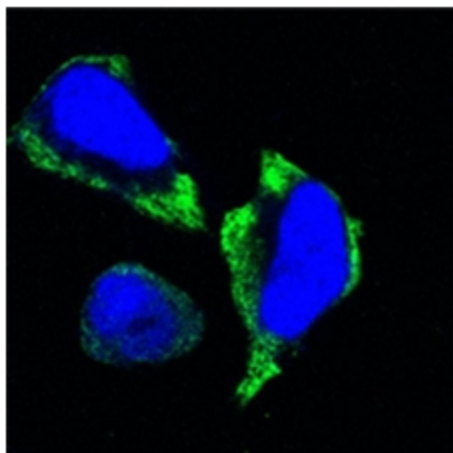
PAK 2, PAK-2, Gamma-PAK, PAK gamma, PAK65, p21-activated kinase 2, p58

**Product images:**


Western blot analysis using PAK2 antibody Cat.-No AM06347SU-N against HeLa (1), Jurkat (2), A549 (3), HEK293 (4) and K562 (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and gastric cancer (right) using PAK2 antibody Cat.-No aM063SU-N with DAB staining.



Confocal immunofluorescence analysis of HeLa cells using PAK2 antibody Cat.-No AM06347SU-N (green). Blue: DRAQ5 fluorescent DNA dye.